

FIG.1

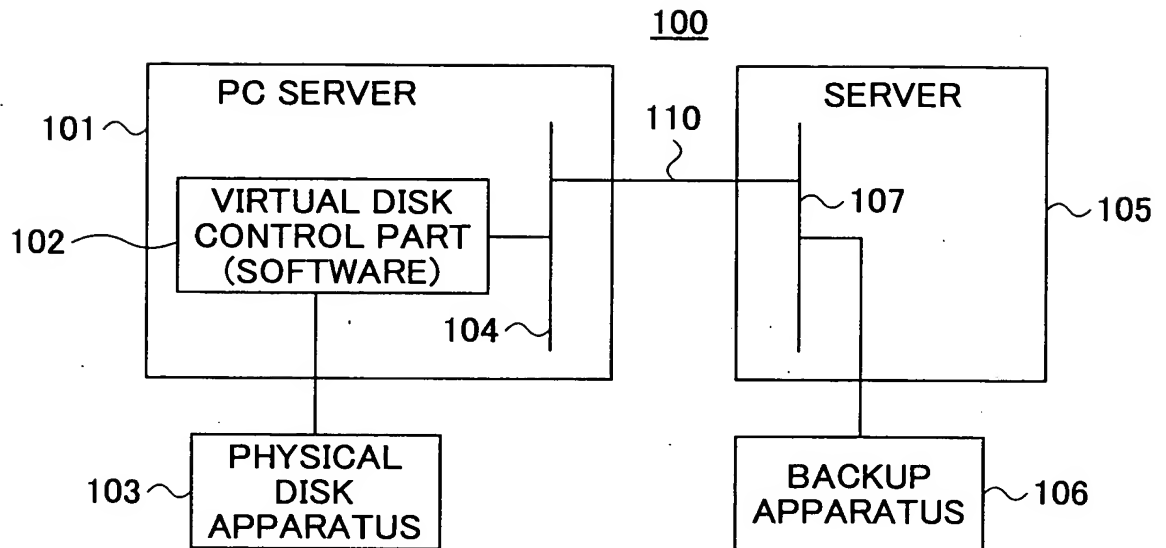


FIG.2A

500GB
VIRTUAL DISK

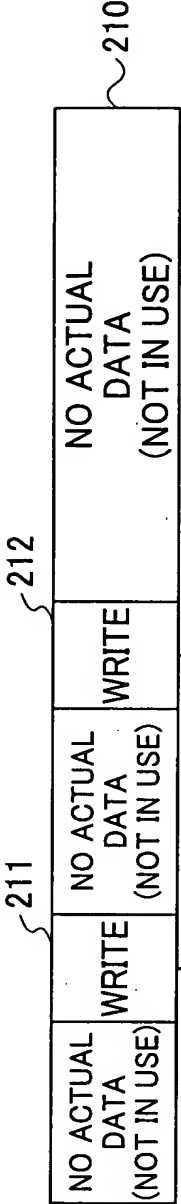


FIG.2B

ADDRESS CONVERSION
TABLE AND
ALLOCATION
INFORMATION TABLE

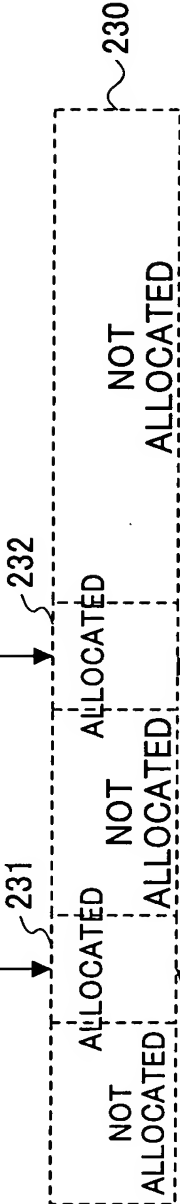


FIG.2C

10 GB
PHYSICAL DISK

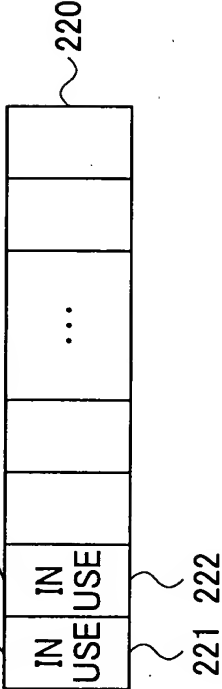
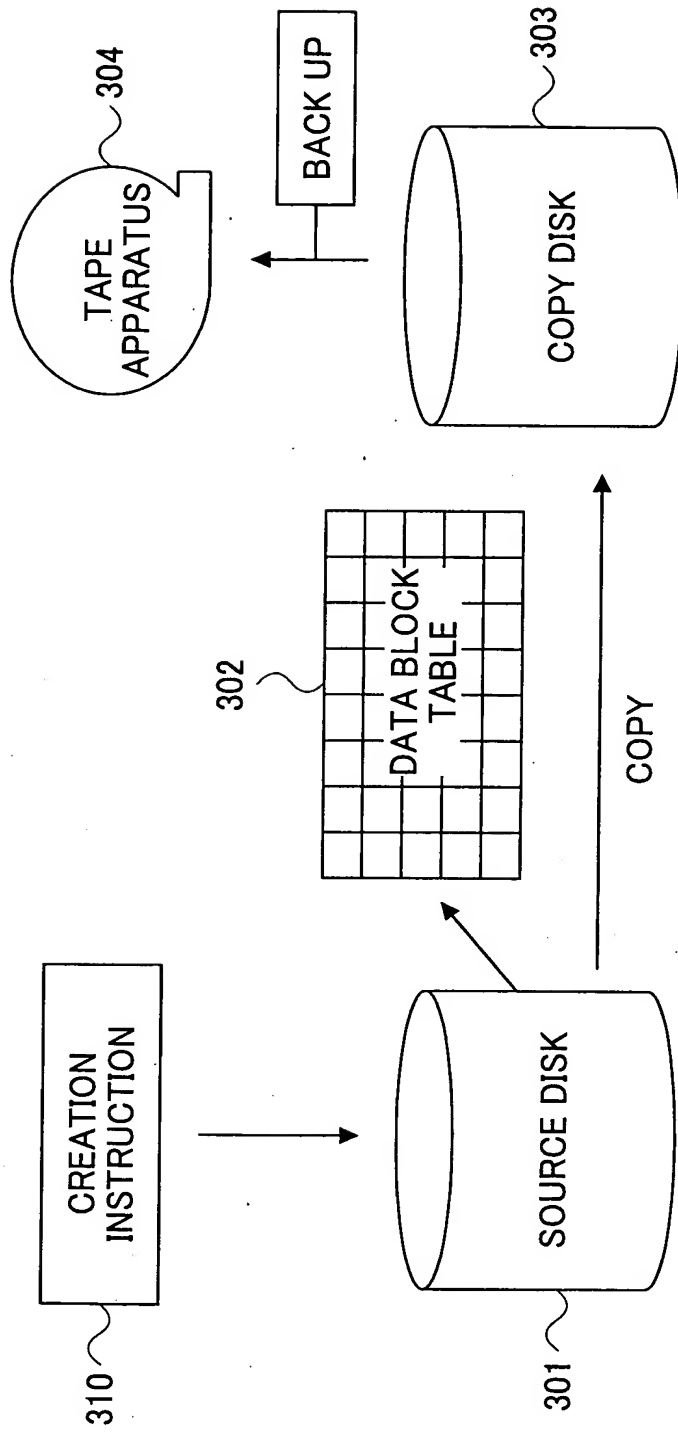


FIG.3



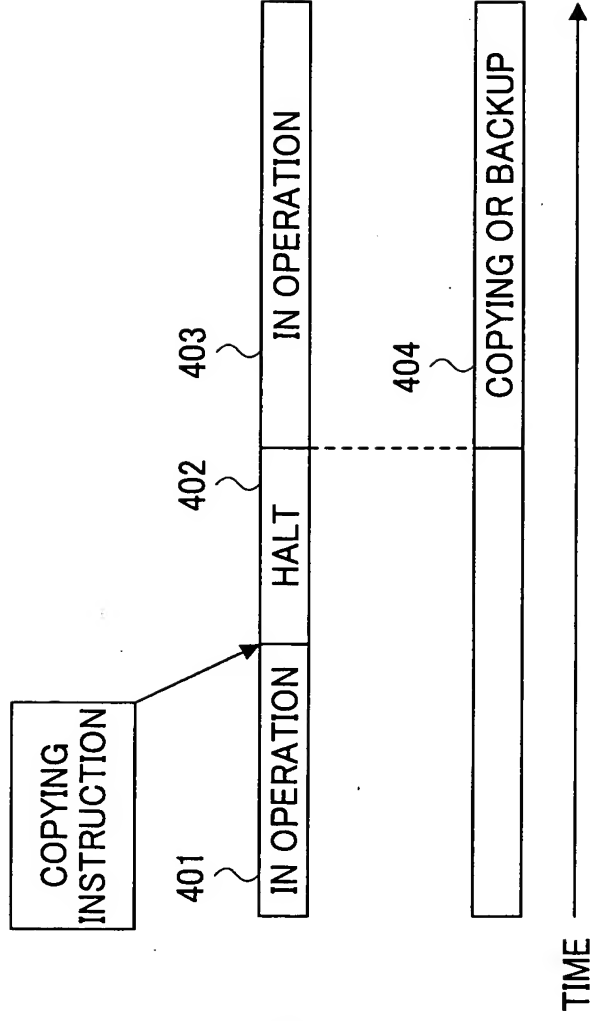


FIG. 4A SOURCE DISK

FIG. 4B COPY DISK

FIG.5

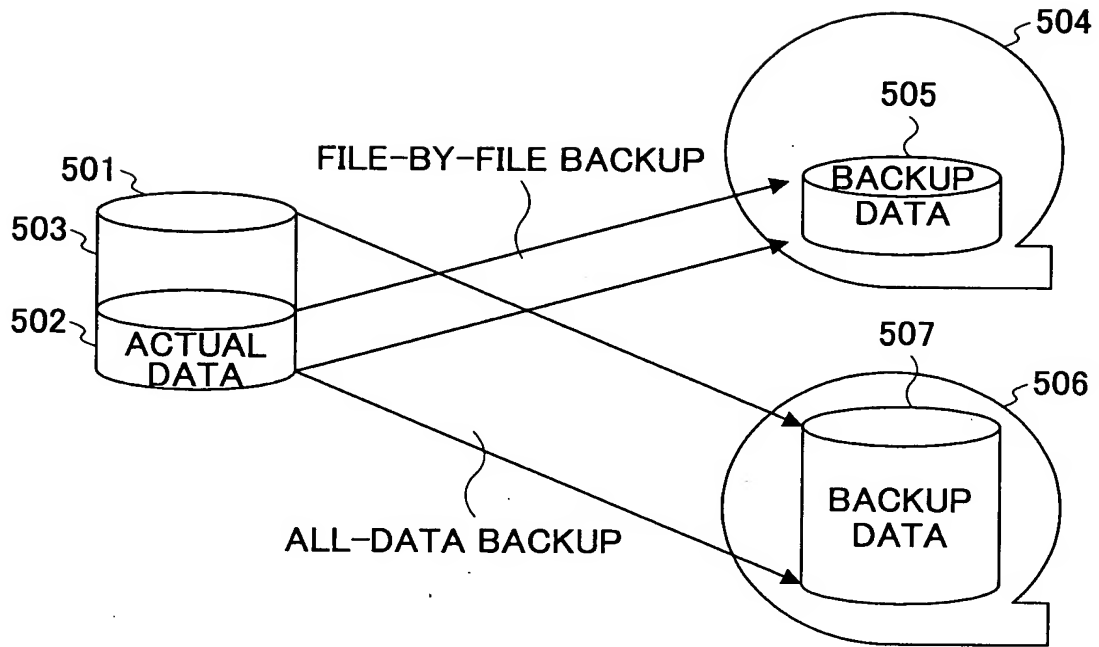


FIG.6

BACKUP METHOD	PROCESSING TIME		REQUIRED BACKUP CAPACITY	
	DATA AMOUNT: SMALL	DATA AMOUNT: LARGE	DATA AMOUNT: SMALL	DATA AMOUNT: LARGE
FILE-BY-FILE BACKUP	40	160	20	80
ALL-DATA BACKUP	100	100	100	100

FIG.7

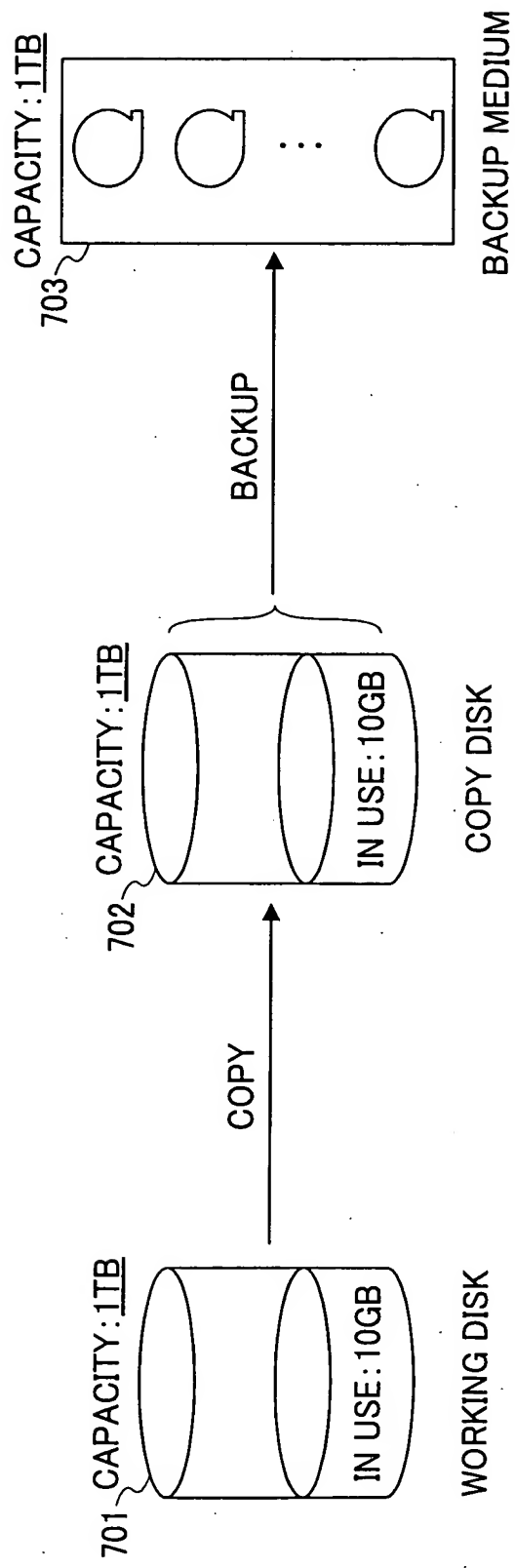


FIG.8

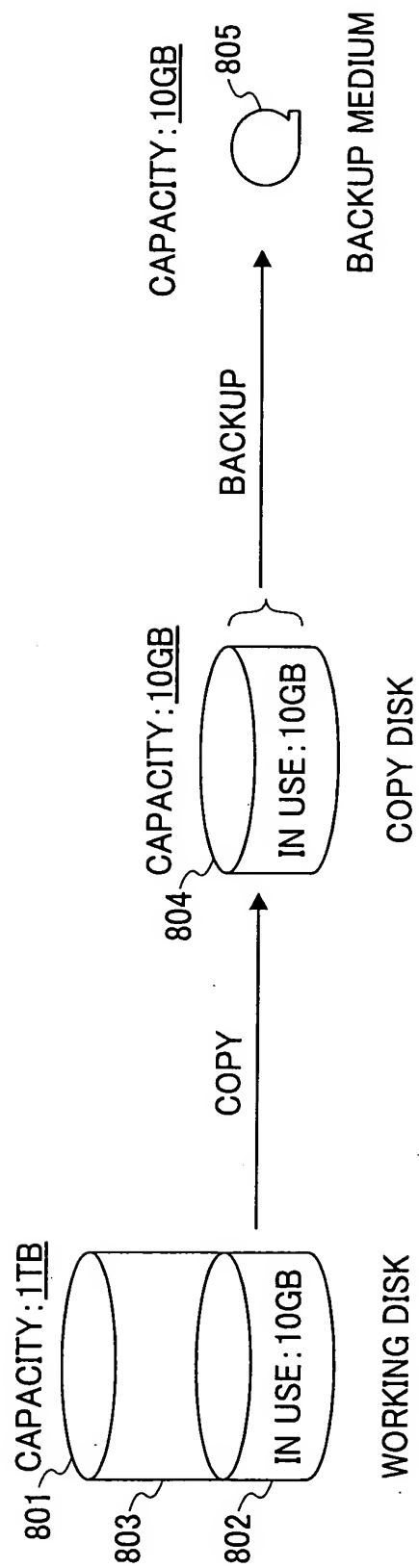


FIG.9

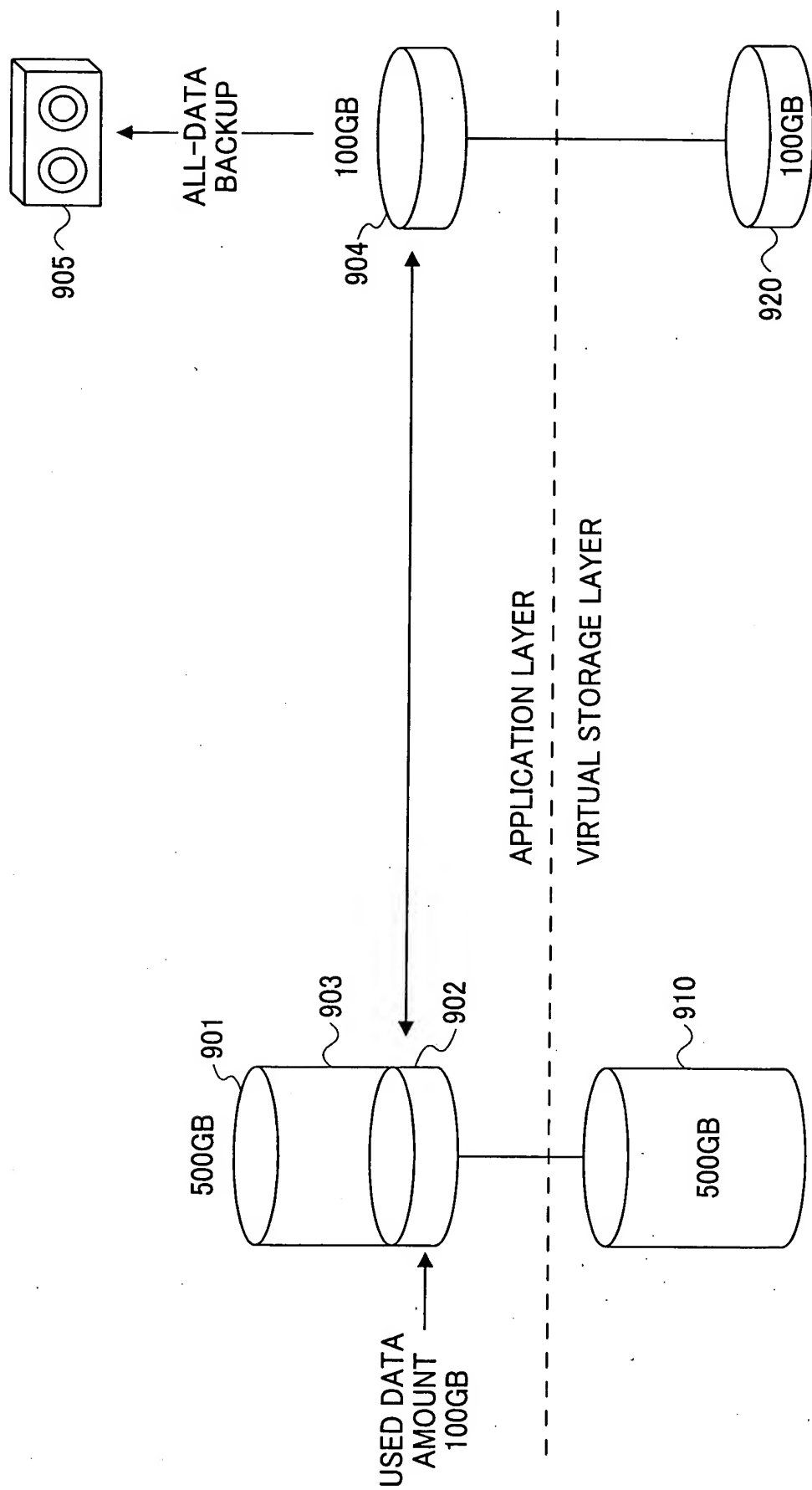


FIG.10

LOGICAL ADDRESS OF WORKING VIRTUAL DISK	BLOCK ADDRESS OF CORRESPONDING PHYSICAL DISK
A1	1
A2	4
A3	5
A4	8
A5	UNUSED
A6	UNUSED
A7	10
A8	11
A9	15
A10	16
:	:
:	:

FIG.11

LOGICAL ADDRESS OF WORKING VIRTUAL DISK	LOGICAL ADDRESS OF VIRTUAL COPY DISK
A1	X1
A2	X2
A3	X3
A4	X4
A7	X5
A8	X6
A9	X7
A10	X8
:	:
:	:
:	:
:	:

FIG.12

LOGICAL ADDRESS OF VIRTUAL COPY DISK	BLOCK ADDRESS OF CORRESPONDING PHYSICAL DISK
X1	101
X2	102
X3	103
X4	104
X5	105
X6	106
X7	107
X8	108
X9	109
X10	110
:	:
:	:

FIG.13

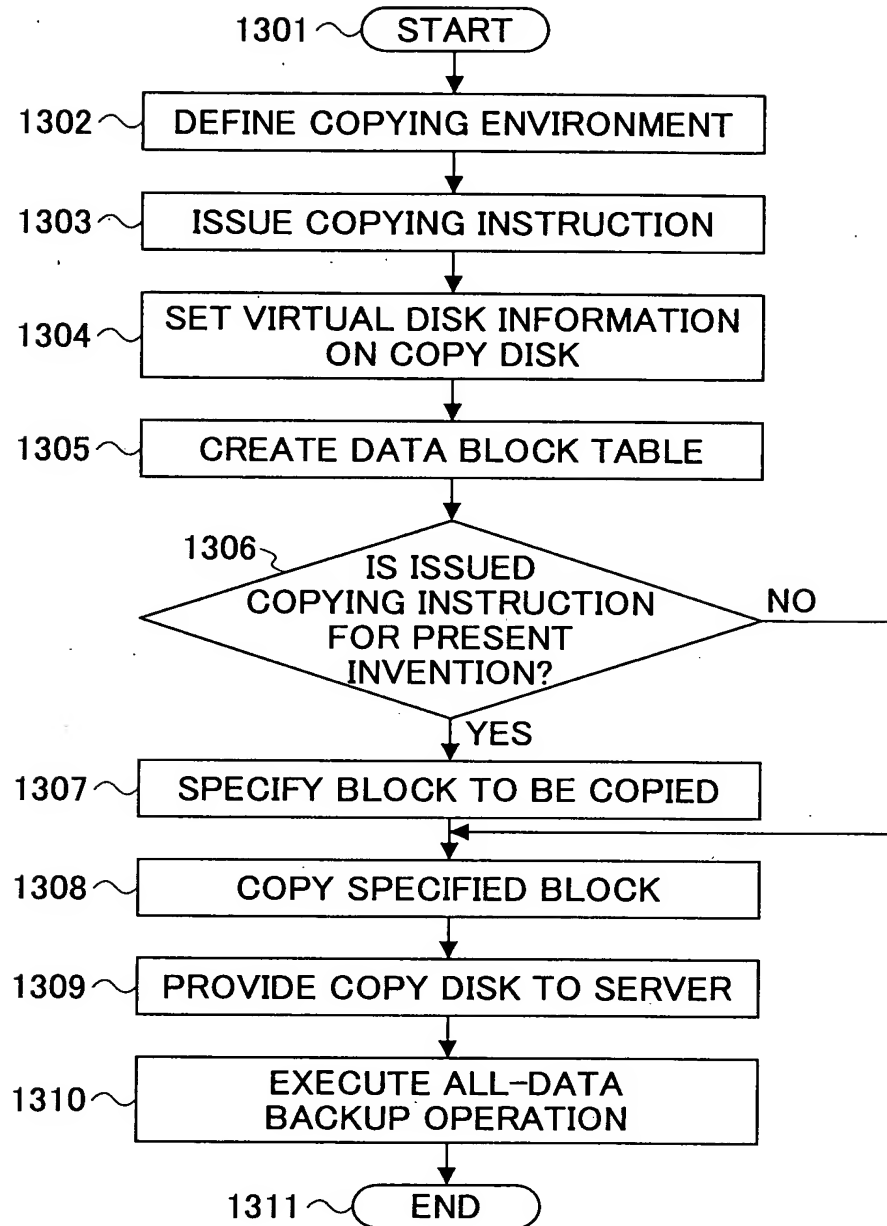


FIG.14A

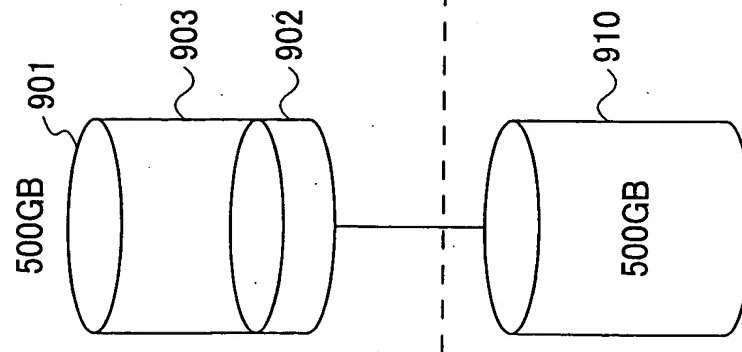


FIG.14B

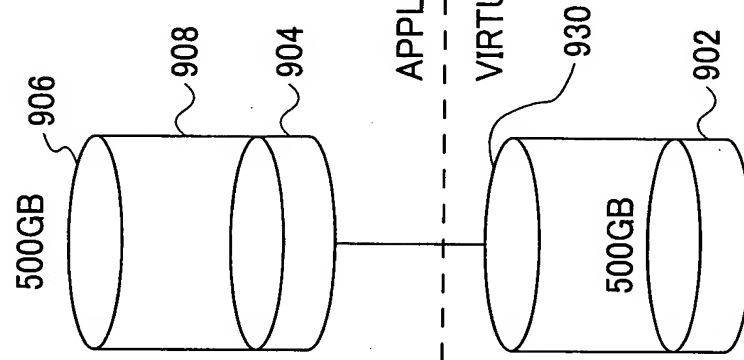


FIG.14C

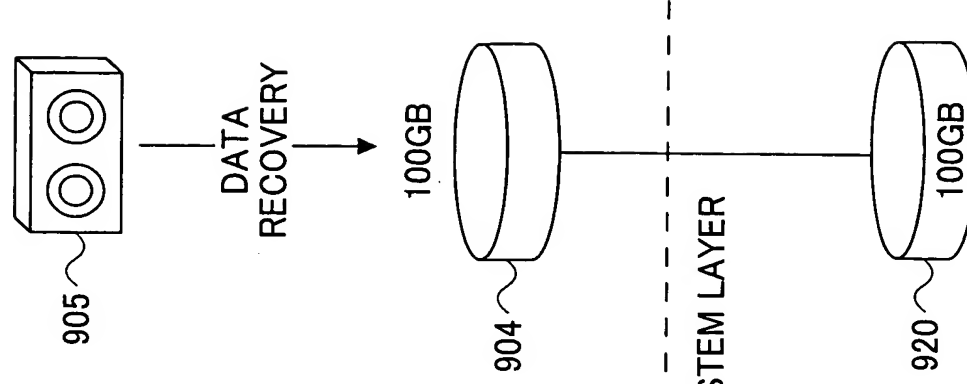


FIG.15

